NMP

Group 5 - Cross Cutting Technologies Participants

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Group 5 - Cross Cutting Technologies Assumptions/Definitions

What is Cross-Cutting?

- Assumed meaning: Cross-Cutting Technologies
  - Integrated technologies that cross multiple IPDTs (e.g. autonomy - micro-electronics, MAMs)

- Not Technologies that cross multiple missions (e.g. propulsion supporting DS-1, DS-2, EO1)

Group 5 - Cross Cutting Technologies Objectives/Focus

Two main objectives were addressed by the team

- Develop a process for managing cross-cutting technologies
  - ADT and IPDT charters
  - New approaches

- Insure technology flight demos (existing or cross-cutting) remain in tact
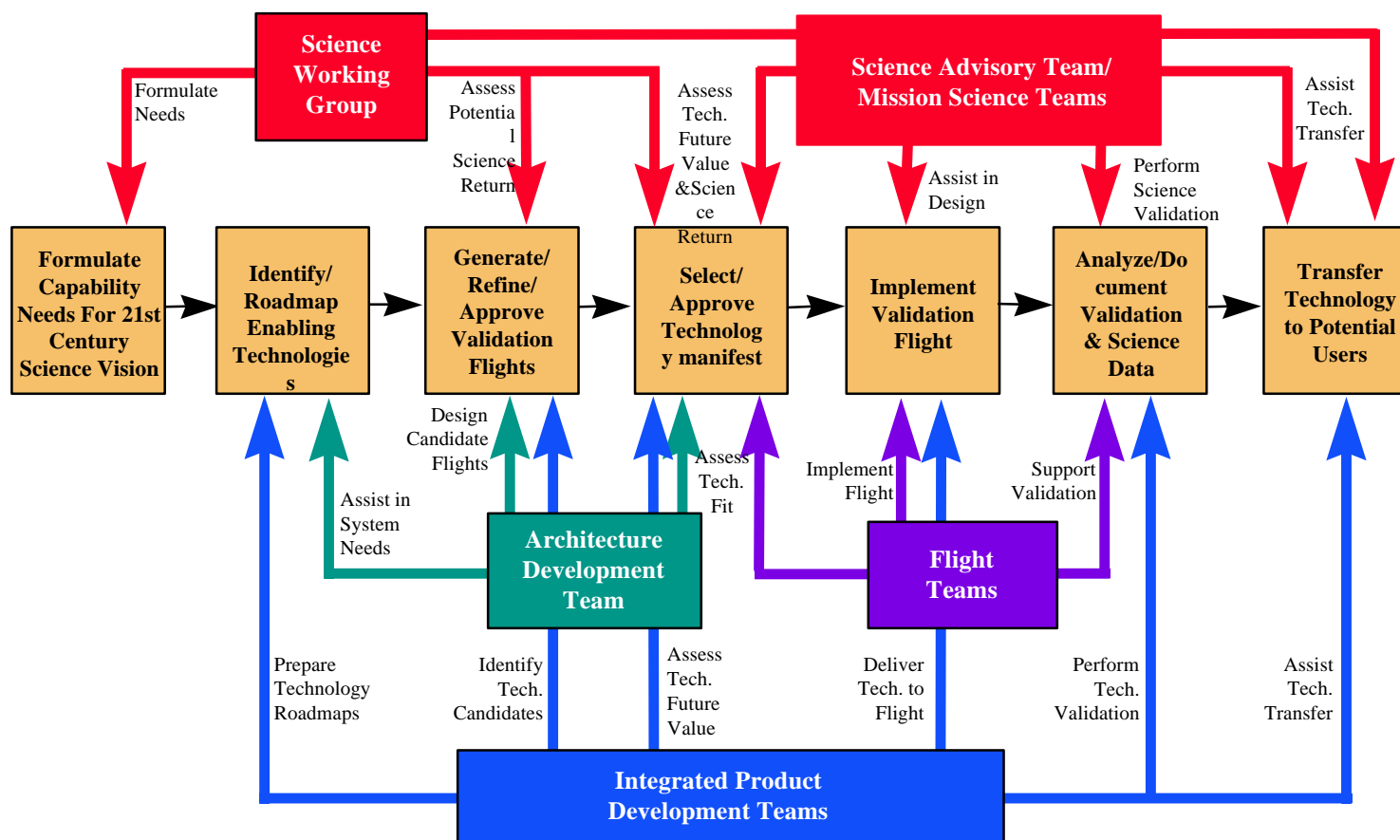 - No technology sponsor at the program level

Objective 1- Develop a Process to Manage Cross-Cutting Technologies

Potential Solutions

- Self motivation within NMP
- Funding for IPDT system level participation
    - System engineering focus
    - Identify Technology Dependency Model (new process)
- Information dissemination/Availability (Detailed)
- Incorporate potential synergism factors of proposed flight technologies
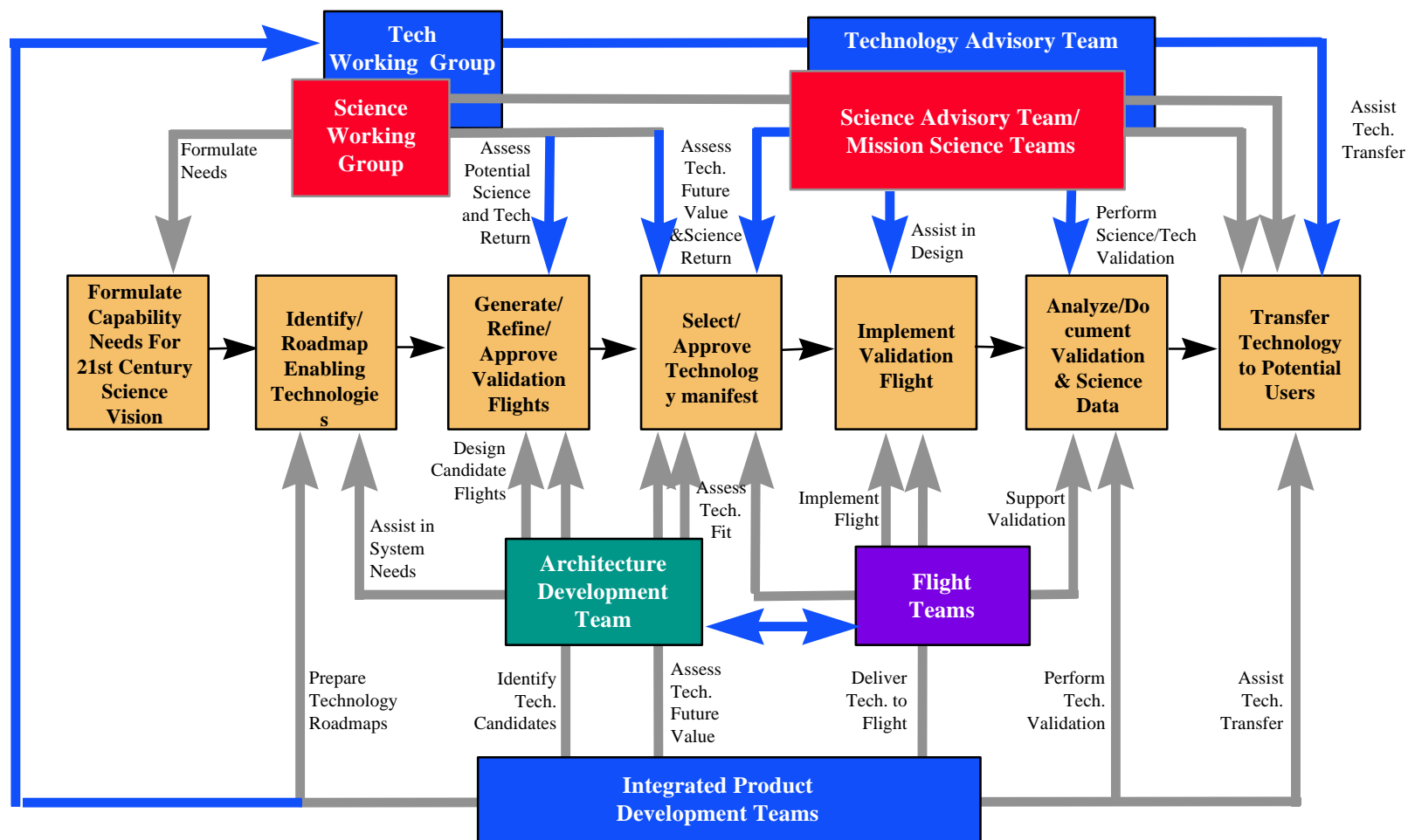   - Include synergy factor into "Enabling 21st Century Science"

New Millennium Program
Current NMP Process

NMP

Objective 2 -
Develop Effective Technology Sponsorship at Program Level

Proposed NMP Process

Objective 2 (Cont'd)
Develop Effective Technology Sponsorship at Program Level